

C&DH

LOSS OF PCS TELEMETRY

PCS

MDM Connection Failed Message Box

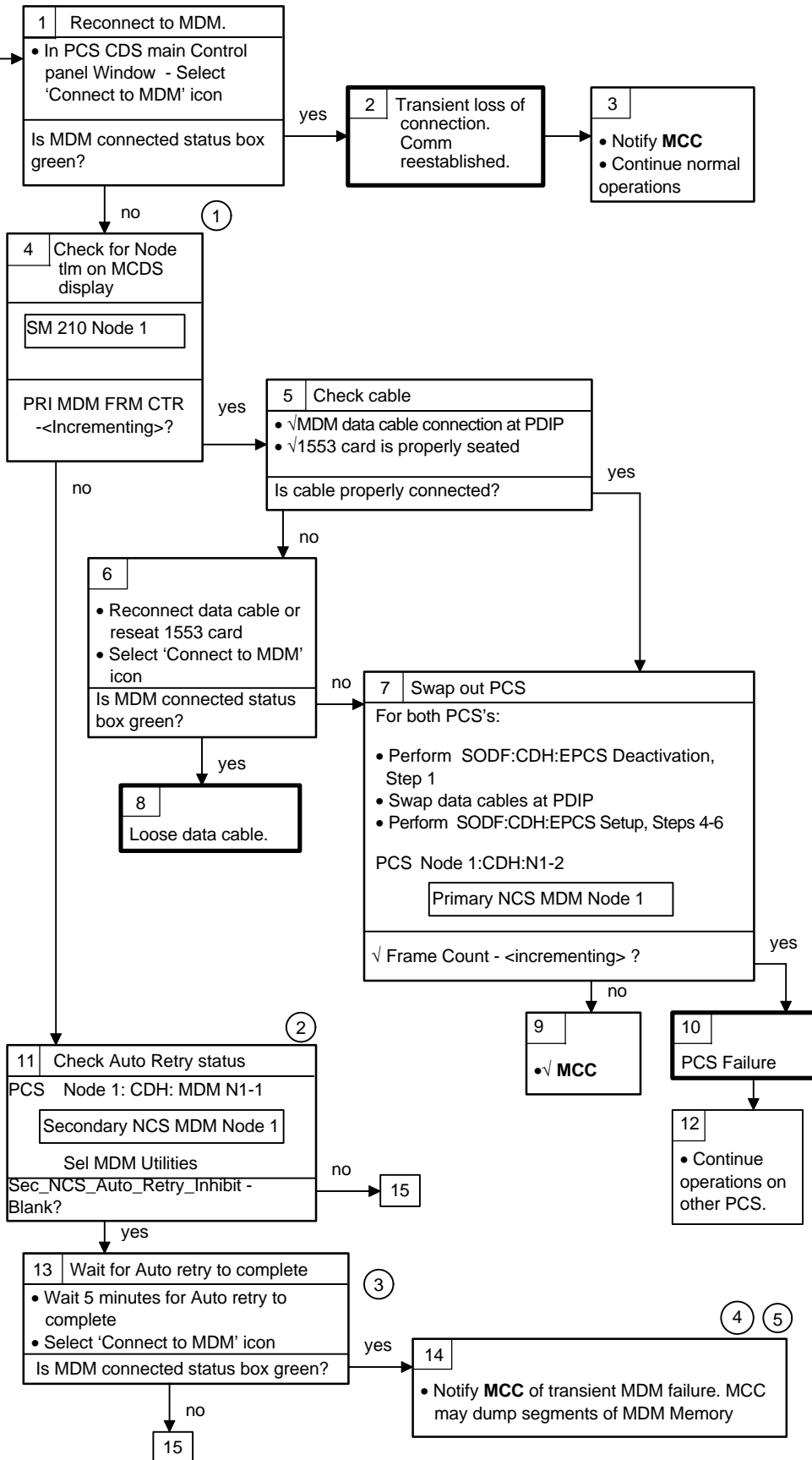
User Notification

Connect Box status - Yellow

PCS Node 1:CDH: MDM1-2
Frame Count - not incrementing

Nominal Config:

- MDM N1-2 - Prim
- MDM N1-1 - Sec
- 1 PCS connected to N1-1.
- 1 PCS connected to N1-2



① Checking MCDS for updating Frame Count verifies Node MDM is outputting telemetry.

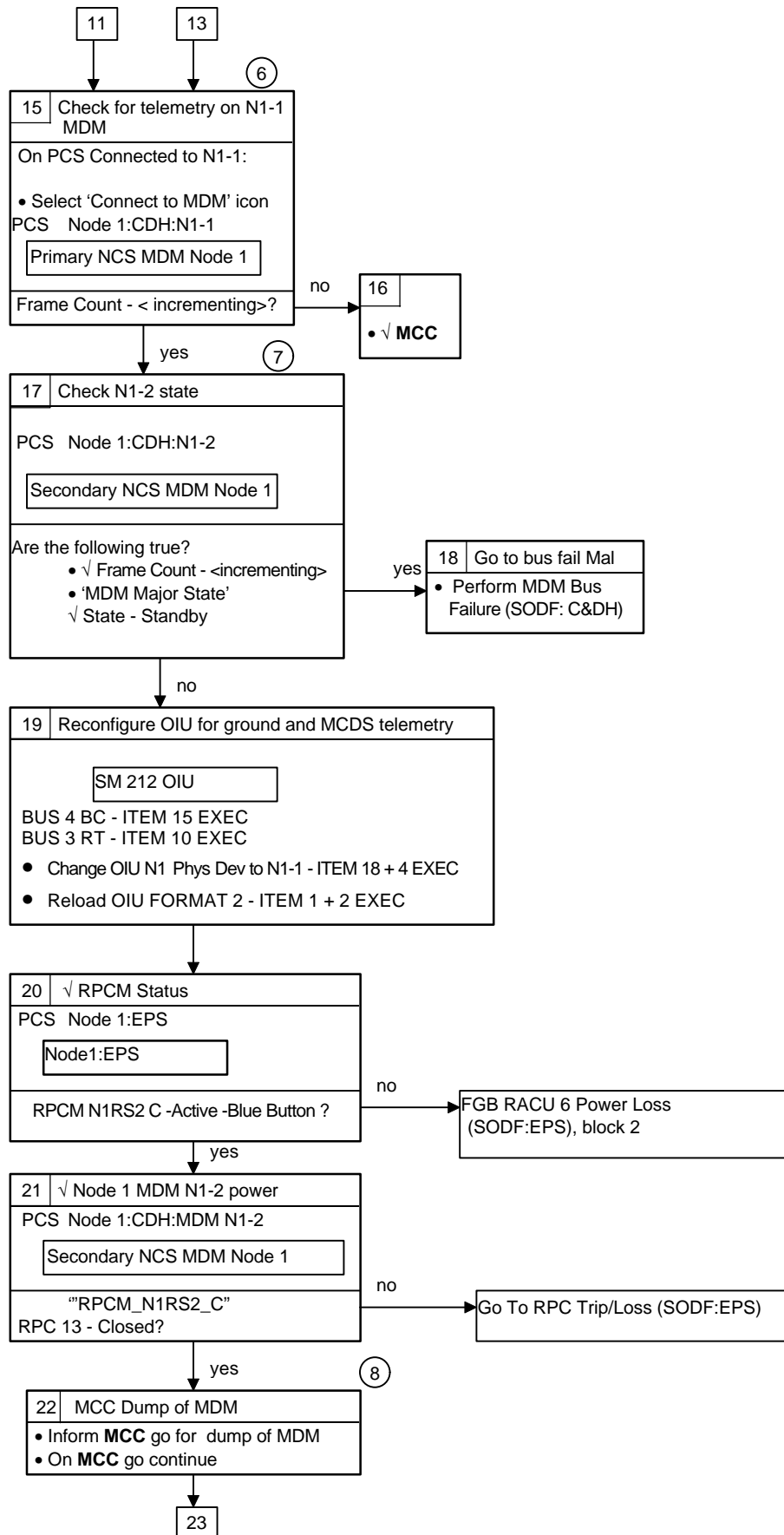
② Data will be static. PCS maintains the last valid status of Secondary MDM autoretry status after telemetry is lost.

③ Autoretry will power cycle failed MDM and Command it back to Primary.

④ MCC may dump EEPROM Error log buffer to determine the cause of MDM failure.

⑤ MCC will reset Auto Retry Counter.

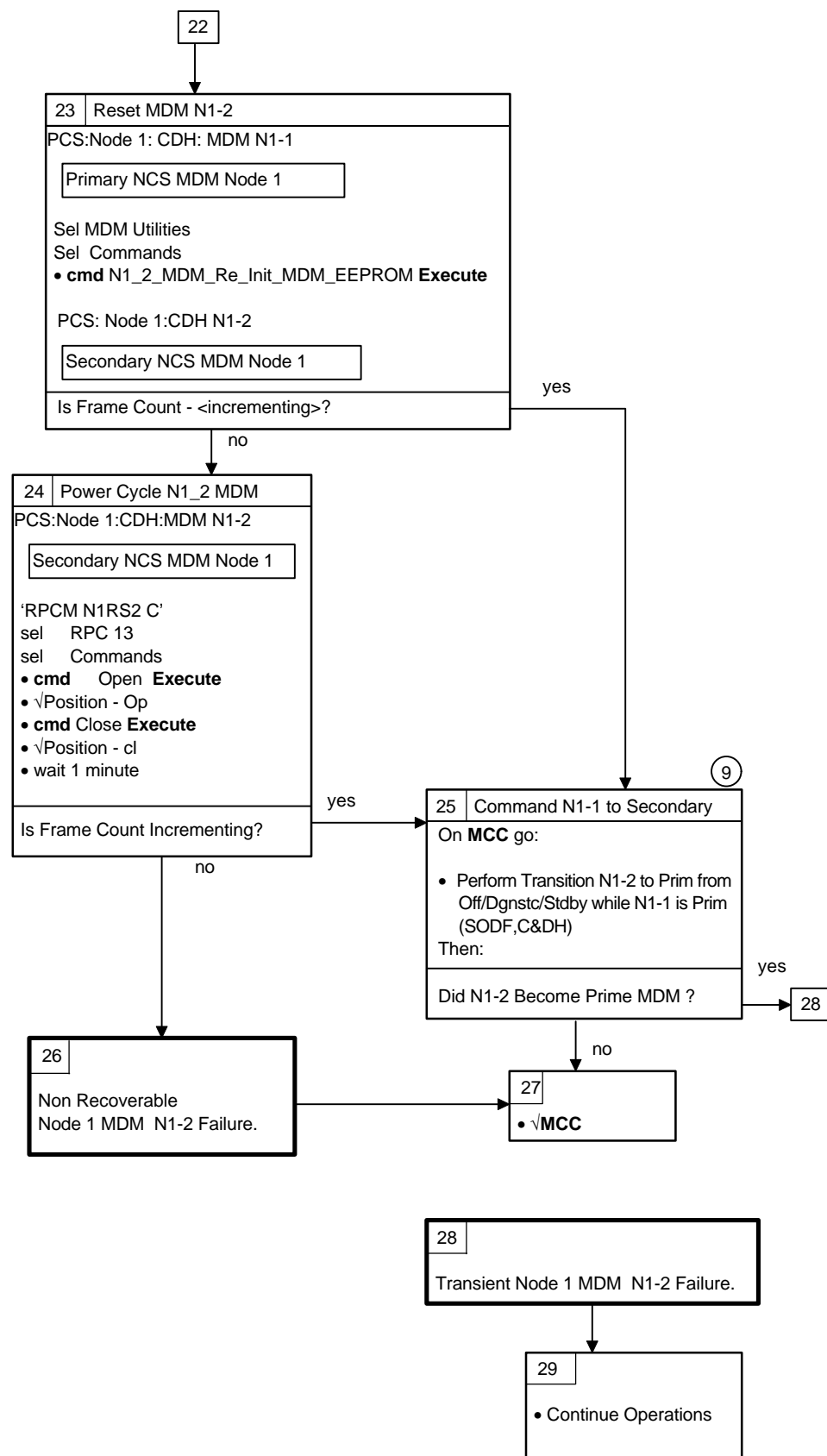
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⑥
If N-2 has failed, N1-1 will automatically take over as primary.

⑦
If UB Orb N1-2 Bus fails, N-2 will command itself to standby and wait longer than normal allowing N1-1 to become primary MDM.

⑧
MCC may dump All or part of MDM memory.



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Commanding N1-1 to Secondary will allow N1-2 to become Prime.